

PATENT
Atty. Dkt. No. ROC820010348US1
MPS Ref. No.: IBMK10348

IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) A method of debugging executable code having ~~associated data in a~~ configured to access associated data in a data repository, comprising:
initiating a debugging session for the executable code, ~~and, during the debugging session~~;
monitoring step-by-step execution of the executable code;
~~accessing the associated data in the repository during the debugging session; and~~
determining whether the associated data can be displayed during the debugging session monitored executable code has accessed the associated data in the data repository;
if so, determining whether to display the associated data on the basis of whether the associated data is restricted data; wherein determining whether to display the associated data comprises referencing predefined access restriction rules defining at least one rule preventing at least a portion of the associated data from being displayed to unauthorized users; and
upon determining not to display the associated data on the basis of the referenced predefined access restriction rules, outputting masking characters on an output screen indicative of the associated data without revealing a value of the associated data, whereby selected data from the data repository is concealed from a user debugging the executable code.
2. (Currently Amended) The method of claim 1, wherein determining whether to display the associated data ~~can be displayed~~ comprises determining whether the associated data can be provided to a debugger user interface.

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3. (Canceled) The method of claim 1, further comprising:
determining that the associated data cannot be displayed during the debugging session; and
outputting text characters on an output screen indicative of the associated data without revealing a value of the associated data.
4. (Currently Amended) The method of claim 1, wherein determining whether to display the associated data ~~can be displayed~~ comprises referencing a restricted data table created in response to reading the associated data from the repository and according to the predefined access restriction rules.
5. (Currently Amended) The method of claim 1, wherein determining whether to display the associated data ~~can be displayed~~ is performed by a debugging program.
6. (Currently Amended) The method of claim 1, wherein determining whether to display the associated data ~~can be displayed~~ is performed by a debugging program implementing the predefined access restriction rules ~~defining at least one rule preventing at least a portion of the associated data from being displayed~~.
7. (Canceled) The method of claim 1, wherein determining whether the associated data can be displayed comprises referencing access restriction rules defining at least one rule preventing at least a portion of the associated data from being displayed.
8. (Currently Amended) The method of claim 1, wherein determining whether to display the associated data ~~can be displayed~~ comprises referencing a parse expression defining a data format and an output expression defining a restricted portion of the parse expression.

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9. (Currently Amended) A computer-readable medium containing a debug program which, when executed, performs an operation ~~during debugging code having associated data in a repository, the operation comprising, during debugging of~~ executable code:

monitoring step-by-step execution of the executable code, wherein the executable code is configured to access associated data in a repository;

determining whether the executable code has accessed the associated data in the repository; accessing the associated data in the repository; and

determining whether the associated data can be displayed on the basis of whether the associated data is restricted data; wherein determining whether the associated data can be displayed comprises referencing predefined access restriction rules defining at least one rule preventing at least a portion of the associated data from being displayed to unauthorized users, whereby selected data from the data repository is concealed from a user debugging the executable code.

10. (Original) The computer-readable medium of claim 9, wherein determining whether the associated data can be displayed comprises determining whether the associated data can be provided to a debugger user interface.

11. (Original) The computer-readable medium of claim 9, further comprising:
determining that the associated data cannot be displayed; and
outputting text characters on an output screen indicative of the associated data without revealing a value of the associated data.

12. (Currently Amended) The computer-readable medium of claim 9, wherein determining whether the associated data can be displayed comprises referencing a restricted data table created in response to reading the associated data from the repository and according to the predefined access restriction rules.

13. (Canceled) The computer-readable medium of claim 9, wherein determining whether the associated data can be displayed comprises referencing access restriction

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rules defining at least one rule preventing at least a portion of the associated data from being displayed.

14. (Original) The computer-readable medium of claim 9, wherein determining whether the associated data can be displayed comprises referencing a parse expression defining a data format and an output expression defining a restricted portion of the parse expression.

15. (Currently Amended) The computer-readable medium of claim 9, wherein the executable code ~~accesses~~ accesses the associated data ~~in the repository comprising~~ reading a record and wherein determining whether the associated data can be displayed comprises:

referencing the predefined access restriction rules defining at least one rule preventing at least one field value from being displayed; and
determining whether the record contains the at least one field value.

16. (Currently Amended) A computer-readable medium containing a debug program which, when executed, performs an operation of debugging code configured to access ~~having~~ associated data in a repository, the debug program comprising:

a debugger user interface; and
a debug engine configured to selectively pass data to the debugger user interface according to predefined access restriction rules defining at least one rule ~~preventing prohibiting~~ at least a portion of the associated data from being displayed to a user operating the debug program, whereby selected data from the data repository is concealed from the user debugging the executable code.

17. (Currently Amended) The computer-readable medium of claim 16, wherein the debug engine is configured to:

determine that the associated data cannot be displayed during the debugging session; and

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conceal the display of the associated data cause the user interface to output by displaying text characters on an output screen indicative of the associated data without revealing a value of the associated data.

18. (Original) The computer-readable medium of claim 16, wherein the debug engine is configured to selectively pass data to the debugger user interface by referencing a restricted data table created in response to reading the associated data from the repository and according to the predefined access restriction rules.

19. (Original) The computer-readable medium of claim 16, wherein the at least one rule defines a value and an associated value, wherein if the associated value has been displayed the debug engine will not provide the value to the debugger user interface for display.

20. (Original) The computer-readable medium of claim 16, wherein the at least one rule defines a parse expression defining a data format and an output expression defining a restricted portion of the parse expression, whereby all values having restricted portion will not be provided to the debugger user interface for display.